

TD-CNV ETH-8E

8E1 TO Ethernet Protocol Converter

Overview

TD-CNV ETH -8E is the most newly promoted product that can convert 1-8E1 to 10/100Base-T Ethernet, and vice versa. This protocol converter could support 1-8E1 to Ethernet, which extend the bandwidth to 16.348Mbps. It is widely used in two LAN connecting, remote monitor and video broadcasting.

**Characteristics**

- **Ethernet Interface**

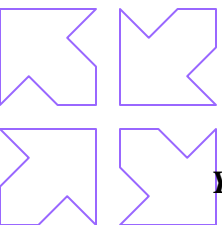
- Support 10/100M, full-/half-duplex
- Support auto-negotiation and forcing mode by switch settings
- Built-in data flow statistic function, which can report the flow statistic of Ethernet receiving and transmission and error-package information
- Filter out over-long, over-short and CRC error Ethernet package
- Support up to 1536 byte Ethernet package
- Support PAUSE flow control function
- Built-in 1024 MAC addresses list, and auto-filtering and age function
- RJ45 connector, connect to PC with CAT-5 crossover twisted pair

- **E1 Interface**

- Provide 8 E1 interfaces complying with G.703 standard, 75Ω unbalance
- E1 lines should be used in pair, but support dissymmetrical
- Auto detect the number of practicable line, the line can be shut down via network management
- AIS, LOS, LOF and error-code alarm, and error-code statistic data can be inquired via network management
- Provide auto shutdown function, the shutdown error rate threshold can be set via network management
- Provide remote loopback and error-code detection functions
- Stop Ethernet communication when local or remote E1 loopback

- **Device Management**

- Provide RS232 serial management interface
- Unique 8bits address is available for each device, one management system can manage up to 256 equipments together
- Abundant management information, including each E1 line status of local and remote ends, and Ethernet interface status and flow statistic



Technical Parameters

E1 interface	Rate: 1~8*2.048Mb/s
	Line code: HDB3
	Tolerance: ± 50 ppm
	Electric characteristic: comply with ITU-TG.703 standard
	Jitter index: comply with ITU-TG.823 standard
	Interface impedance: 75Ω balance (120Ω unbalance is optional)
	Connector: DB37
Ethernet interface	Data rate: 10/100Mbps auto-negotiation
	Interface mode: Full-/Half-duplex auto-negotiation
	Connector: RJ-45
Power supply	Voltage: AC180V~240V; DC -48V; DC +24V
	Power consumption: $5W \pm 10\%$
Environment	Operating temperature: $0^{\circ}\text{C} \sim 45^{\circ}\text{C}$
	Storage temperature: $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$
	Relative humidity: $\leq 90\%$ (no condensation)
	Atmospheric pressure: $70 \sim 106$ Kpa
	Atmosphere: no causticity and solvent, and no strong electromagnetism field
Weight	2.30Kg (not contain E1 adaptor)
Size	483mm(L) \times 44mm(H) \times 200mm(D)

Typical Application



Order Information

TD-CNV ETH-8E/AC	8E1-10/100BASE-T bridge,DB37,220V
TD-CNV ETH-8E/AC	8E1-10/100BASE-T bridge,DB37,-48V
TD-CNV ETH-8E/AC+DC	8E1-10/100BASE-T bridge,DB37, 220V &-48V

